Index of Claims

Application/Control No.

Applicant(s)/Patent under Reexamination

09/590,922

Examiner

SHAFIYAN-RAD ET AL.

Phung T. Nguyen

2632

√ Rejected
= Allowed

- (Through numeral)
Cancelled

+ Restricted

N Non-Elected
I Interference

A Appeal
O Objected

| Cli            | aim Date |          |          |                 |          |          |          |          | 1:::::   | Cli  | Date          |       |          |          |           |          |          |          | aim      | Date   |                 |       |          |          |          |          |           |                |  |          |          |          |
|----------------|----------|----------|----------|-----------------|----------|----------|----------|----------|--|--|---------------|-------|----------|----------|-----------|----------|----------|----------|----------|--------|-----------------|-------|----------|----------|----------|----------|-----------|----------------|--|----------|----------|----------|
|                |          |          |          |                 |          |          |          |          |  | <del>                                     </del> | $\overline{}$ | Date  |          |          |           |          |          |          | <u>~</u> |        | Date            |       |          |          |          |          |           |                |  |          |          |          |
| Final          | Original | 8/23/05  |          |                 |          |          |          |          | i  |  |               | Final | Original |          |           |          |          |          |          | 1      |                 |       | Final    | Original |          |          |           |                |  |          |          |          |
| 1              | 1        | =        |          |                 |          |          | Г        |          |  |  |               |       | 51       |          |           |          | 一        | T        | T        |        |                 |       |          | 101      | $\Box$   | $\top$   | +         |                | T  | П        |          | $\neg$   |
|                | 2-       |          |          | $\Box$          |          | _        |          | _        | -  | 1  |               |       | 52       |          |           |          | $\neg$   | $\neg$   | $\top$   | 1-     | $\dagger$       |       | <u> </u> | 102      |          | $\top$   | +-        | 1              | t  | H        | 寸        | $\neg$   |
|                | 3-       | -        | H        | 7               | _        |          | =        | <b>—</b> |  |  |               |       | 53       |          |           |          | $\dashv$ | 十        | 十        | ╅      | 1               |       |          | 103      | $\vdash$ |          | +         | T              | t  | $\Box$   | $\dashv$ | $\neg$   |
| 2              | 4        | =        | П        | T               |          |          |          |          | Г  |  |               |       | 54       |          |           |          |          | 十        | ┪        | $\top$ | 1               |       |          | 104      | $\vdash$ | _        | $\dagger$ | 1              | T  |          | $\dashv$ | $\neg$   |
| 3              | 5        | =        |          |                 |          |          |          |          | T  | T  |               |       | 55       |          |           |          | _        | $\top$   | 十        | ╁      | 1               |       |          | 105      |          | +        | +-        | ╁╴             | $t^-$  | $\vdash$ | $\dashv$ | $\dashv$ |
| 4              | 6        | =        |          |                 |          |          |          |          |  | T  |               |       | 56       | $\vdash$ |           |          | $\neg$   | 十        | 1        | 1-     | †               |       |          | 106      |          | +        | $\top$    | ╁╌             | t  | $\vdash$ | $\dashv$ | $\dashv$ |
|                | -7-      | _        | F        | $\dashv$        | _        | =        | =        | =        | $\vdash$   | -  |               |       | 57       | T        |           | _        | _        | $\dashv$ | 1        | 1      | 1               |       |          | 107      | $\vdash$ |          | 十         | ╁╌             | T  |          | -        | $\dashv$ |
| 5              | 8        | =        | $\Box$   | T               |          |          | Г        | Т        | 1  | t  |               |       | 58       | Ħ        | $\exists$ |          | _        | $\dashv$ | $\top$   | _      | 1               |       |          | 108      |          |          | +         | +              |  | $\vdash$ | $\dashv$ | _        |
| 6              | 9        | =        |          |                 |          |          |          |          | Г  |  |               |       | 59       |          |           |          | $\neg$   |          | $\top$   | $\top$ | 1-              |       |          | 109      |          | +        | +         | ╁              | $\vdash$   | Н        | $\dashv$ | $\neg$   |
| 7              | 10       | =        |          |                 |          |          |          |          |  | 1  |               |       | 60       |          | $\neg$    |          | 寸        | $\dashv$ |          | _      |                 |       |          | 110      | -        | $\dashv$ | +         | +              | _  |          | 十        | $\neg$   |
| 10             | 11       |          |          |                 |          |          | Г        |          |  | Г  |               |       | 61       |          |           |          | 寸        | +        | _        | $\top$ |                 |       |          | 111      |          |          | +         | t              | +  | $\vdash$ | $\dashv$ | _        |
|                | 12       |          | -        | -               | _        | =        | =        | =        | ⊨  | -  |               |       | 62       |          | $\Box$    | T        | T        | 1        | 1        | ╅      | T               |       |          | 112      |          | 十        | +         | 1              | T  | Н        | 一        | _        |
| 11             | 13       | =        |          |                 |          |          |          |          | T  | lТ   |               |       | 63       |          |           | 一        | 寸        | $\top$   | _        | $\top$ | 1               |       |          | 113      |          | _        | +         | -              | -  | $\vdash$ | _        | $\dashv$ |
| 12             | 14       | =        |          |                 |          |          |          | <u> </u> |  | T  |               |       | 64       |          | $\Box$    | $\dashv$ | 寸        | +        | +        | 1      | 1               |       |          | 114      | _        | $\dashv$ | +-        | $\vdash$       | $\vdash$   | Н        | $\dashv$ |          |
| 13             | 15       | Ξ        | $\Box$   | T               |          |          |          |          |  | T  |               |       | 65       | П        | $\neg$    | $\dashv$ | ┪        | $\dashv$ | +        | $\top$ | T               |       |          | 115      | $\dashv$ | $\dashv$ | ┰         | $\vdash$       | $\vdash$   | $\vdash$ | $\dashv$ | -        |
| 14             | 16       | =        |          |                 | _        |          |          |          | ✝  | $\vdash$   |               |       | 66       |          |           | $\dashv$ | 1        | 十        | +        | $\top$ | 1-              |       |          | 116      | $\vdash$ | +        | +         | +-             | ┼─   | $\vdash$ | $\dashv$ | $\dashv$ |
| 15             | 17       | =        | $\vdash$ | 7               |          |          | $\vdash$ |          |  | T  |               |       | 67       | H        |           | $\dashv$ | -        | $\dashv$ | +        | +      | +               |       |          | 117      | 1        |          | +         | +-             | $\vdash$   | $\vdash$ | -        | $\dashv$ |
| 16             | 18       | =        | H        | 7               | -        | ┢        | _        |          | 1  | 1-   |               |       | 68       |          |           | $\dashv$ | $\dashv$ |          |          | +      | +               |       |          | 118      |          | -        | ╁         | ╁              | ╁──  | $\vdash$ | $\dashv$ |          |
| 17             | 19       | =        | $\vdash$ | $\dashv$        | _        | H        |          | -        | 1  | $\vdash$   |               |       | 69       | Н        |           | $\dashv$ | 十        | -+       | +        | +      | +-              |       |          | 119      |          | $\dashv$ | ╁╌        | ╁              | ╆  | ┝╾┤      | $\dashv$ |          |
| 19             | 20       | =        | $\vdash$ | 寸               |          | $\vdash$ |          | -        | ╁  | t  |               |       | 70       |          | $\dashv$  | $\dashv$ | 十        |          | +        | +-     | ╁╌╴             |       |          | 120      | $\vdash$ | $\dashv$ | +-        | ╁              | ┼┈   | $\vdash$ | $\dashv$ |          |
| 20             | 21       | =        | H        | 寸               | _        | $\vdash$ |          | $\vdash$ | $\vdash$   |  |               |       | 71       | Н        | $\dashv$  | 7        | 十        | $\dashv$ | +        | +      | +-              |       |          | 121      | +        | $\dashv$ | ╁┈        | ╁              | ╁  | $\vdash$ | $\dashv$ | $\dashv$ |
|                | -22-     | _        |          | _               |          |          |          |          |  |  |               |       | 72       | H        |           | 十        | 十        |          | +        | +      | +-              |       |          | 122      | -        |          | +-        | ╁              | +  | $\vdash$ | $\dashv$ | $\dashv$ |
| 8              | 23       | =        |          | $\dashv$        | _        |          |          | m        | †  | 1  |               |       | 73       | Н        | $\dashv$  | $\dashv$ | 7        | 十        | +        | Ť      | 1               |       |          | 123      | $\vdash$ | $\dashv$ | ╁         | ╁─             | <del>                                     </del> | $\vdash$ | $\dashv$ | ᅱ        |
| 18             | 24       | =        |          | 寸               |          |          |          | H        | f  | 1  |               |       | 74       |          | $\dashv$  | $\dashv$ | 7        | 十        | +        |        | $\vdash$        |       |          | 124      |          | -        | ╁         | ╁              | ╁╾   | $\vdash$ | $\dashv$ | $\dashv$ |
| 9              | 25       | =        | 1        | 寸               |          | <u> </u> | $\vdash$ |          | t  | 一  |               |       | 75       | Н        | -         | $\dashv$ | +        | +        | +        | +      | +               |       |          | 125      | -        | _        | ╁         | ╁─             | ┢╌   | ┝╼┼      | $\dashv$ | ᅱ        |
|                | 26       |          |          | $\dashv$        |          |          | $\vdash$ | ┢        | H  | $\vdash$   |               |       | 76       | Н        |           | ┪        | +        | +        | ┿        |        | +               |       |          | 126      | -        | +        | +         | ╁              | ╁  | $\vdash$ | $\dashv$ | 一        |
|                | 27       |          | $\vdash$ | $\dashv$        |          | _        | $\vdash$ | $\vdash$ |  | ┢  |               |       | 77       | $\vdash$ |           | $\dashv$ | $\dashv$ |          | $\dashv$ | +-     | +               |       |          | 127      |          | +        | +-        | ╁              | $\vdash$   | $\vdash$ | +        | 러        |
|                | 28       |          |          | ┪               | $\neg$   | _        |          |          | t  | _  |               | -     | 78       | Н        | $\dashv$  | $\dashv$ | 十        |          | +        | +-     | +               |       |          | 128      | +        | +        | ╁         | ╁              | H  | $\vdash$ | $\dashv$ | -        |
|                | 29       |          |          |                 |          |          | $\vdash$ |          | $\vdash$   | $\vdash$   |               |       | 79       | -        | $\dashv$  | -+       | +        | +        |          | +-     | +               |       |          | 129      | +        | -        | +         | ╁╾             | $\vdash$   | $\vdash$ | $\dashv$ |          |
| $\vdash$       | 30       |          |          | 十               | $\neg$   |          | H        |          | $\vdash$   | ┼  |               |       | 80       | -        | -         | $\dashv$ |          |          | ┪        | +      | +               |       |          | 130      | $\dashv$ | +        | +         | $\vdash$       | +-   | -        | $\dashv$ | $\dashv$ |
|                | 31       |          |          | $^{+}$          |          |          |          |          | Ι-   | _  |               |       | 81       | -        |           | $\dashv$ | -+       | -        | +        | +      | +               |       |          | 131      |          | +        | +-        | ┢              | ╁  | $\vdash$ | $\dashv$ | $\dashv$ |
|                | 32       | _        | $\dashv$ | 十               | $\dashv$ |          |          |          | ┢  | ╁╴   |               |       | 82       | -        | -         | $\dashv$ | -        | +        | +        | +      | +               |       |          | 132      | $\dashv$ | +-       | +         | ╁              | -  | $\vdash$ | $\dashv$ | -        |
|                | 33       |          | $\neg$   | -               | $\dashv$ | _        |          | Н        | ╁╌   | <del>                                     </del> |               |       | 83       | Н        |           | $\dashv$ | -+       | $\dashv$ | +        | +      | ╁               |       |          | 133      |          | +        | +         | ╁              | +  | $\vdash$ | $\dashv$ | _        |
|                | 34       |          |          | 寸               | ┪        |          |          |          | ╁  | $\vdash$   |               |       | 84       |          | <b>-</b>  | +        | 7        | ╅        | +        | +      | ╁╌              |       |          | 134      | -        | +        | ╁╌        | ╁              | +  | $\vdash$ | -        | -        |
|                | 35       | _        |          | 十               | 7        |          |          |          | -  | 1  |               |       | 85       | Н        |           | $\dashv$ | 7        | +        | ╅        | +      | ╂─┤             |       |          | 135      |          | +        | ╁╌        | ╁╾             | 1  |          | $\dashv$ | -        |
|                | 36       | _        | $\vdash$ | 十               |          |          |          |          |  | <u> </u>   |               |       | 86       | Н        | $\dashv$  | 7        | $\dashv$ | $\dashv$ | ╅        | +      | Н               |       |          | 136      | -+       | +        | ╅╴        | $\vdash$       | $\vdash$   | $\dashv$ | $\dashv$ | -        |
|                | 37       |          |          | _               | 7        |          | _        | $\vdash$ |  | H  |               |       | 87       |          | ┪         | +        | $\dashv$ | +        | +        | +      | +               |       |          | 137      | $\dashv$ | +-       | +         | ╁              | $\vdash$   | $\vdash$ | $\dashv$ | $\dashv$ |
|                | 38       |          | -        | _               |          |          | -        | _        | $\vdash$   | T  |               |       | 88       |          | $\dashv$  | _        | 十        | +        | +        | +      | +               |       |          | 138      | $\dashv$ | +        | +         | +              | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| <u> </u>       | 39       |          | 1        | 十               |          |          | Н        | $\vdash$ | T  |  |               |       | 89       | $\vdash$ | $\dashv$  | _        | _        | 十        | +        | +      | $\vdash$        |       | -        | 139      | +        | +        | +-        | $\vdash$       | 1  | 1        | +        | $\dashv$ |
|                | 40       |          | -        | $\neg \uparrow$ | $\dashv$ |          | _        |          |  | t  |               |       | 90       |          | $\dashv$  | +        | $\dashv$ | +        | +        | +      | +               |       |          | 140      | $\dashv$ | +        | +-        | $\vdash$       | 1  | $\dashv$ | $\dashv$ | $\dashv$ |
|                | 41       |          | -+       | $\dashv$        | $\dashv$ | $\vdash$ |          | H        | <del>                                     </del> | $\vdash$   |               |       | 91       |          | $\dashv$  | +        | $\dashv$ | +        | +        | +      | $\vdash$        |       |          | 141      | -+       | +        | +         | $\vdash$       | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$       | 42       |          | $\dashv$ | $\dashv$        | $\dashv$ | М        |          | П        | <del>                                     </del> | $t^-$  |               |       | 92       | $\vdash$ | +         | $\dashv$ | $\dashv$ | +        | +        | +-     | $\vdash$        |       |          | 142      | $\dashv$ | +        | +         | +-             | $\vdash$   | $\dashv$ | $\dashv$ | ᅱ        |
|                | 43       | Н        | _        | $\dashv$        | +        | $\dashv$ | H        | Н        | $\vdash$   | $\vdash$   |               |       | 93       |          | $\dashv$  | $\dashv$ | $\dashv$ | +        | +        | +      | $\vdash$        |       |          | 143      | -+       | $\dashv$ | +         | $\vdash$       | Н  | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash \neg$  | 44       |          | -        | $\dashv$        | $\dashv$ | $\dashv$ | -        | H        | $\vdash$   | $\vdash$   |               |       | 94       |          | $\dashv$  | -        | $\dashv$ | +        | ╅        | +      | +               | '     |          | 144      | $\dashv$ | +        | +-        | $\vdash$       | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash \lnot$ | 45       | _        | -        | $\dashv$        | $\dashv$ | -1       | $\vdash$ | H        | <del>                                     </del> | $\vdash$   |               |       | 95       | $\vdash$ | $\dashv$  | $\dashv$ | $\dashv$ | $\dashv$ | +        | +-     | $\vdash$        |       |          | 145      | +        | +        | +         | -              | $\vdash$   | $\dashv$ | $\dashv$ | $\dashv$ |
| $\vdash$       | 46       |          | $\dashv$ | $\dashv$        | ᅥ        |          | $\vdash$ | H        | -  | $\vdash$   |               |       | 96       |          | $\dashv$  | $\dashv$ | $\dashv$ | +        | +        | +      | $\vdash$        |       |          | 146      | +        | +        | +         | +-             | $\vdash$   | $\dashv$ | $\dashv$ |          |
| $\vdash$       | 47       | $\neg$   | $\dashv$ | $\dashv$        | ᅱ        | -        | $\vdash$ | Н        | $\vdash$   | $\vdash$   |               |       | 97       | -        | -+        | $\dashv$ | $\dashv$ | +        | +        | +      | $\vdash$        |       |          | 147      | $\dashv$ | +        | +         | ╁─             | $\vdash$   |          | $\dashv$ | $\dashv$ |
| $\vdash$       | 48       | $\dashv$ | $\dashv$ | +               | $\dashv$ |          | $\vdash$ | Н        | $\vdash$   |  |               |       | 98       | $\dashv$ | $\dashv$  | +        | $\dashv$ | +        | +        | +      | ╁┥              |       |          | 148      | +        | +        | ╁         | ╁              | $\vdash$   | $\dashv$ | $\dashv$ | ᅱ        |
| $\vdash$       | 49       | $\dashv$ | $\dashv$ | +               | +        | $\dashv$ |          | $\vdash$ | <del>  -</del>                                   |  |               |       | 99       | $\dashv$ | $\dashv$  | -+       | +        | +        | +        | +      | $\vdash$        |       |          | 149      | -        | +-       | +         | <del> </del> − | Н  |          | $\dashv$ | $\dashv$ |
| $\vdash$       | 50       |          | $\dashv$ | $\dashv$        | -        | $\dashv$ | -        | $\vdash$ | $\vdash$   | <del>                                     </del> |               |       | 100      | $\dashv$ | $\dashv$  | $\dashv$ | $\dashv$ | +        | $\dashv$ | +      | $\vdash \vdash$ |       |          | 150      |          | +-       | +         | $\vdash$       | $\vdash$   | -+       | $\dashv$ | $\dashv$ |
|                | ~        |          |          |                 |          |          |          |          |  |  | :             |       | 100      |          | - 1       | - 1      | - 1      | - 1      | - 1      |        | 1 1             | ::::: |          | 130      | - 1      | - 1      |           | í              | ı 1  |          | - 1      | - 1      |

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